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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/697,968	10/30/2003	Eric Lawrence Barsness	ROC920030021US1	8987
46296	7590	10/04/2006	EXAMINER	
MARTIN & ASSOCIATES, LLC P.O. BOX 548 CARTHAGE, MO 64836-0548			ONI, OLUBUSOLA	
			ART UNIT	PAPER NUMBER
			2168	

DATE MAILED: 10/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/697,968

Applicant(s)

BARSNESS ET AL.

Examiner

OLUBUSOLA ONI

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 July 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15, 18-20, 23, 26 and 27 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-15, 18-20, 23 and 26-27 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

1. This action is responsive to communication: Application, filed on 07/19/2006.
2. Claims 16-17, 21-22 and 24-25 have been cancelled.

Response To Arguments

3. Applicant's arguments with respect to claims 1-15, 18-20, 23 and 26-27 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-15, 18-20, 23 and 26-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Reiter et al. (PAT No U.S. 5,666,526).

For claim 1, Reiter teaches "at least one processor" (Col. 6, lines 1-4) "a memory coupled to the at least one processor" (Col. 6, lines 1-6); and "a database query processor residing in the memory and executed by the at least

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one processor(Col. 6, lines 1-15) the database query processor processing a first query to generate a first result set by interrogating a database(Col. 4, lines 59-64, Col. 10, lines 3-58), and, if a second query may be satisfied by the first result set, generating a second result set from the first result set without caching the first result set and without interrogating the database for the second query”([Col. 4, lines 43-45, Col. 6, lines 17-30, Col. 10, lines 25-Col. 11, lines 7] wherein in response to a first query, generating a query table. However, retrieving the result from the query table; a reference to the source table when another request is received. Reads on applicants claim language)

For claim 2, Reiter teaches “wherein the database query processor processes the first query (Col. 4, lines 59-64, Col. 10, lines 3-58), and while processing the first query evaluates at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set, wherein the database query processor returns the first result set to the first query and uses the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set”([Col. 4, lines 43-45, Col. 6, lines 17-30, Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7]).

For claim 3, Reiter teaches “wherein the database query processor delays processing a plurality of received queries, groups compatible received queries together, generates a new query for each group that will produce a result set that will satisfy all queries in the group, processes each new query, and generates from the result set of each new query

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at least one other result set for queries in the group corresponding to the new query”([Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7] wherein Reiter’s teachings include submitting several queries at the same time and returns the query result, reads on applicants claim language)

For claim 4, Reiter teaches “at least one processor (Col. 6, lines 1-4) a memory coupled to the at least one processor (Col. 6, lines 1-6); and a database query processor residing in the memory and executed by the at least one processor (Col. 6, lines 1-15), the database query processor processing a first query to generate a first result set, and while processing the first query evaluating at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set, the database query processor returning the first result set to the first query and uses the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set”([Col. 4, lines 43-45, Col. 6, lines 17-30, Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7]).

For claim 5, Reiter teaches “at least one processor” (Col. 6, lines 1-4) “a memory coupled to the at least one processor (Col. 6, lines 1-6); and a database query processor residing in the memory and executed by the at least one processor (Col. 6, lines 1-15), the database query processor delaying processing a plurality of received queries, grouping compatible received queries together, generating a new query for

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each group that will produce a result set that will satisfy all queries in the group, processing each new query, and generating from the result set of each new query at least one other result set for queries in the group corresponding to the new query([Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7] wherein Reiter's teachings include submitting several queries at the same time and returns the query result, reads on applicants claim language)

For claim 6, Reiter teaches "wherein the database query processor delays processing the plurality of received queries for a predetermined time period" (Col. 6, lines 31-41).

For claim 7, Reiter teaches "wherein the database query processor delays processing the plurality of received queries until a predetermined number of the plurality of queries has been received"(Col. 6, lines 31-41).

For claim 8, Reiter, teaches "processing a first query to generate a first result set (Col. 4, lines 59-64, Col. 10, lines 3-58) receiving a second query; and if the second-query may be satisfied by the first result set, generating a second result set from the first result set without caching the first result set and without interrogating the database"([Col. 4, lines 43-45, Col. 6, lines 17-30, Col. 10, lines 25-Col. 11, lines 7] wherein in response to a first query, generating a query table. However, retrieving the result from the query table; a reference to the source table when another request is received. Reads on applicants claim language)

As per claims 9-10, these claims are rejected on grounds corresponding to the arguments given above for rejecting claims 2-3 and are similarly rejected.

For claim 11, Reiter teaches "processing a first query to generate a first result set while processing the first query (Col. 4, lines 59-64, Col. 10, lines 3-58), evaluating at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set; returning the first result set to the first query; and using the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set"([Col. 4, lines 43-45, Col. 6, lines 17-30, Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7]).

As per claim 12, this claim is rejected on grounds corresponding to the arguments given above for rejecting claim 10 and is similarly rejected.

For claim 13, Reiter teaches "wherein the step of delaying processing the plurality of received queries delays for a predetermined time period" (Col. 6, lines 31-41).

For claim 14, Reiter teaches "wherein the step of delaying processing the plurality of received queries delays until a predetermined number of the plurality of queries has been received" (Col. 6, lines 31-41).

For claim 15, Reiter teaches “ a database query processor that processes a first query to generate a first result set by interrogating a database (Col. 4, lines 59-64, Col. 10, lines 3-58), and, if a second query may be satisfied by the first result set, the database query processor generates a second result set from the first result set without caching the first result set and without interrogating the database for the second query; and recordable media bearing the database query processor”([Col. 4, lines 43-45, Col. 6, lines 17-30, Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7]).

For claim 18, Reiter teaches “wherein the database query processor processes the first query (Col. 4, lines 59-64, Col. 10, lines 3-58), and while processing the first query evaluates at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set, wherein the database query processor returns the first result set to the first query and uses the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set”([Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7])

For claim 19, Reiter teaches “wherein the database query processor delays processing a plurality of received queries, groups compatible received queries together, generates a new query for each group that will produce a result set that will satisfy all queries in the group, processes each new query, and generates from the result set of each new

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query at least one other result set for queries in the group corresponding to the new query”([Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7] wherein Reiter’s teachings include submitting several queries at the same time and returns the query result, reads on applicants claim language)

For claim 20, Reiter teaches “wherein the database query processor processes the first query (Col. 4, lines 59-64, Col. 10, lines 3-58), and while processing the first query evaluates at least one other query that is received during the processing of the first query to determine whether the at least one other query is satisfied by the first result set, wherein the database query processor returns the first result set to the first query and uses the first result set to generate at least one other result set for any of the at least one other query that is satisfied by the first result set and media bearing the database query processor”([Col. 4, lines 43-45, Col. 6, lines 1-15, Col. 6, lines 17-52, Col. 10, lines 25-Col. 11, lines 7]).

For claim 23, Reiter teaches “a database query processor delays processing a plurality of received queries, groups compatible received queries together, generates a new query for each group that will produce a result set that will satisfy all queries in the group, processes each new query, and generates from the result set of each new query at least one other result set for queries in the group corresponding to the new query and media bearing the database query processor”([Col. 6, lines 1-15, Col. 6, lines 31-52, Col. 10, lines 25-Col. 11, lines 7] wherein Reiter’s teachings include submitting several

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queries at the same time and returns the query result, reads on applicants claim language)

For claim 26, Reiter teaches "wherein the database query processor delays processing the plurality of received queries for a predetermined time period" (Col. 6, lines 31-41).

For claim 27, Reiter teaches "wherein the database query processor delays processing the plurality of received queries until a predetermined number of the plurality of queries has been received"(Col. 6, lines 31-41).

CONCLUSION

6. The following prior art cited on the PTO-892 form, not relied upon, is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OLUBUSOLA ONI whose telephone number is 571-272-2738. The examiner can normally be reached on 7.30-5.00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIM VO can be reached on 571-272-3642. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



KHANH B. PHAM
PRIMARY EXAMINER

OLUBUSOLA ONI

Examiner

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